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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/725,352	12/01/2003	Isabelle M. Rouvellou	YOR920030519US1	1283

7590 05/05/2006	EXAMINER
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ART UNIT	PAPER NUMBER
2129	

DATE MAILED: 05/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	10/725,352	ROUVELLOU ET AL.
	Examiner	**Art Unit**	
	Omar F. Fernández Rivas	2129	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>01 December 2003</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-30</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-30</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>01 December 2003</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>A1, A2</u>.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

DETAILED ACTION

1.   Claims 1-30 are pending on this application.

Claim Rejections - 35 USC § 102

2.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –(e) the invention was described in (1) an application for
> patent, published under section 122(b), by another filed in the United States before the invention by
> the applicant for patent or (2) a patent granted on an application for patent by another filed in the
> United States before the invention by the applicant for patent, except that an international application
> filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of
> an application filed in the United States only if the international application designated the United
> States and was published under Article 21(2) of such treaty in the English language.

Claims 1-6, 17-22 and 24-29 are rejected under 35 U.S.C. 102(e) as being

anticipated by Abrari et al (US Patent #7,020,869, referred to as Abrari).

Claims 1,17 and 24

Abrari anticipates a method, a system and a computer readable media for

authoring and executing an individualized language business rule (**Abrari**: abstract, C1,

19-32), comprising: creating at least one individualized language resource (**Abrari**: C4,

L51-67, C5, L1-11; C7, L25-47; C12, L50-53; Figs. 3, 6 and 17; defining a name for an

entity is creating an individualized language resource as interpreted from paragraphs 9,

60 and 61 of the Application's specification); creating at least one individualized

language rule referencing at least one of said individualized language resource (**Abrari**:

C4, L63-67, C5, L1-11; C7, L63-67; C8, L1-6; C12, L50-53; Figs. 3, 6 and 17;

developing business rules using the vocabulary); and transforming said at least one

individualized language rule into computer executable format (**Abrari**: C2, L23-65; C4,

L34-67; C5, L1-42; C6, L19-38; in a computer system, all data must be transformed to

computer executable format so that the computer can operate upon it).

Claims 2, 18 and 25

Abrari anticipates preventing a syntactically incorrect individualized language

statement from being authored (**Abrari**: C10, L49-67; by checking and correcting the

completeness (syntax) of a rule, syntactically incorrect rules will not be created).

Claims 3, 19 and 26

Abrari anticipates deploying said at least one transformed executable to a

runtime environment and executing said at least one transformed individualized

language rule (**Abrari**: C2, L23-65; C4, L34-39; the deployment platform used by the

invention is a runtime environment).

Claims 4, 20 and 27

Abrari anticipates executing at least one non-individualized language rule

(**Abrari**: C4, L51-62; C6, L39-51; Figs. 1 and 2; integrating rules with diverse application

components (runtime environments) is executing a non-individualized language rule as

understood from paragraph 55 of the Application's specifications).

Claims 5, 21 and 28

Abrari anticipates coordinating and cooperating by a runtime engine with other

rules engines in a runtime environment (**Abrari**: C6, L20-51; Fig. 2; interacting with

various business components).

Claims 6, 22 and 29

Abrari anticipates organizing said at least one individualized language resource

and said at least one individualized language rule into at least one individualized

language rule set (**Abrari**: C4, L51-65; Fig. 1).

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

Claims 7-16, 23 and 30 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Abrari as set forth above in view of Serrano-Morales et al (US Patent

#6,965,889, referred to as **Serrano**).

Claims 7, 23 and 30

Abrari does not teach creating at least one individualized rule template; and

creating at least one individualized rule from said at least one individualized rule

template.

Serrano teaches creating at least one individualized rule template (**Serrano**:

abstract, L1-11, C3, L26-49); and creating at least one individualized rule from said at

least one individualized rule template (**Serrano**: C4, L21-31).

It would have been obvious to one of ordinary skill in the arts at the time of the applicant's invention to modify the teachings of Abrari by creating at least one individualized rule template; and creating at least one individualized rule from said at least one individualized rule template as taught by Serrano for the purpose of making it easier for a user to provide the appropriate data needed to create a rule.

Claim 8

Abrari does not teach scoping authored templates and rules based upon rule set input and output groups.

Serrano teaches scoping authored templates and rules based upon rule set input and output groups (**Serrano**: C3, L35-67, C4, L1-12; determining rule elements that can be chosen by the user is scoping based on input and ruleflow is scoping based on output).

It would have been obvious to one of ordinary skill in the arts at the time of the applicant's invention to modify the teachings of Abrari by scoping authored templates and rules based upon rule set input and output groups as taught by Serrano for the purpose of setting constraints on the rules that will be created.

Claim 9

Abrari teaches transforming said at least one of an individualized language resource, an individualized language rule, an individualized rule template, and individualized language rule set into a standardized format (**Abrari**: C6, L19-51; Fig. 2).

Claim 10

Abrari teaches at least one individualized language rule set influences at least

one of application behavior and application state (**Abrari**: C8, L7-11; C20, L63-67, C21,

L1-20; Fig. 6; executing an action when a condition is met influences an application's

behavior and state).

Claim 11

Abrari teaches directly or indirectly linking an application to an execution of at

least one individualized language rule set (**Abrari**: abstract; C8, L7-44; C20, L63-67,

C21, L1-20; Fig. 6).

Claim 12

Abrari does not teach creating a type-safe linkage between an application and

said at least one individualized language rule set.

Serrano teaches creating a type-safe linkage between an application and said at

least one individualized language rule set (**Serrano**: C2, L15-28, C3, L35-67; Fig. 1A;

the rule elements define the rule structure and the application applying the rule must

use (are linked) these rule elements).

It would have been obvious to one of ordinary skill in the arts at the time of the

applicant's invention to modify the teachings of Abrari by creating a type-safe linkage

between an application and said at least one individualized language rule set as taught

by Serrano for the purpose of providing the application with the correct data to apply a

given rule.

Claim 13

Abrari teaches deploying said type-safe linkage in a runtime environment (**Abrari**: C4, L34-39; C10, L17-67; a computer system performs its operations in a runtime environment).

Claim 14

Abrari teaches finding, updating and deleting an item contained within said standardized format (**Abrari**: C6, L52-63; to modify (update or delete) a rule it must be found).

Claim 15

Abrari does not teach employing said type-safe linkage to select said at least one individualized rule set based on externalized criteria.

Serrano teaches employing said type-safe linkage to select said at least one individualized rule set based on externalized criteria (**Serrano**: C2, L15-28; C3, L55-67; C4, L5-12; selecting the rules based on the inputs given by the user).

It would have been obvious to one of ordinary skill in the arts at the time of the applicant's invention to modify the teachings of Abrari by employing said type-safe linkage to select said at least one individualized rule set based on externalized criteria as taught by Serrano for the purpose of allowing the system to determine which rule can operate on a given input data.

Claim 16

Abrari does not teach transforming said type-safe linkage into a standardized format.

Serrano teaches transforming said type-safe linkage into a standardized format
(**Serrano**: C4, L43-63).

It would have been obvious to one of ordinary skill in the arts at the time of the
applicant's invention to modify the teachings of Abrari by transforming said type-safe
linkage into a standardized format as taught by Serrano for the purpose of making the
data types used by the rules compatible with different applications.

Conclusion

4.   The prior art made of record and not relied upon is considered pertinent to
applicant's disclosure.

Haley US Patent Application #10/296,114

Feldman et al US Patent Application #09/953,697

Leymann et al US Patent #6,826,579

5.   Claims 1-30 are rejected.

Correspondence Information

6.   Any inquires concerning this communication or earlier communications from the
examiner should be directed to Omar F. Fernández Rivas, who may be reached
Monday through Friday, between 8:00 a.m. and 5:00 p.m. EST. or via telephone at
(571) 272-2589 or email omar.fernandezrivas@uspto.gov.

If you need to send an Official facsimile transmission, please send it to (571) 273-8300.

If attempts to reach the examiner are unsuccessful the Examiner's Supervisor,

David Vincent, may be reached at (571) 272-3080.

Hand-delivered responses should be delivered to the Receptionist @ (Customer

Service Window Randolph Building 401 Dulany Street Alexandria, VA 22313), located

on the first floor of the south side of the Randolph Building.

Omar F. Fernández Rivas
Patent Examiner
Artificial Intelligence Art Unit 2129
United States Department of Commerce
Patent & Trademark Office

Friday, April 28, 2006

OFR

DAVID VINCENT
SUPERVISORY PATENT EXAMINER